## We claim:

- 1. An automatic injection device arranged to inject a fluid into a patient comprising:
  - a pump arranged to pump fluid in accordance with commands;
  - a delivery unit receiving said fluid and delivering the same to the patient;
- a controller having a memory used to store a plurality of profiles defining operational parameters for the delivery of the fluid; and
  - a selector used to select said operational parameters.
- 2. The device of claim 1 wherein said profiles define several modes of operation, each mode being related to a rate of flow of said fluid as it is delivered to the patient.
- 3. The device of claim 1 wherein said delivery unit has physical characteristics defining fluid flow, and wherein said memory is used to store said physical characteristic.
- 4. The device of claim 3 further comprising a characteristic sensor adapted to sense one of said characteristics.
- 5. The device of claim 3 wherein said selector is adapted to select one of said physical characteristics.
- 6. The device of claim 1 wherein said profiles define a fluid characteristic of said fluid.
- 7. The device of claim 6 wherein said fluid characteristic is selected from a fluid viscosity, fluid specific weight and fluid temperature.

- 8. An automatic injection device comprising:
  - a syringe having syringe characteristics and adapted to hold a fluid;
- a plunger arranged to reciprocate in said syringe to effect fluid flow in and out of said syringe;
  - a driver coupled to said plunger;
- a controller adapted to generate control commands for said driver to operate said plunger in accordance with a preselected profile;
  - a memory arranged to store a plurality of profiles; and
  - a selector arranged to select said preselected profile from said memory.
- 9. The automatic injection device of claim 8 wherein said preselected profile defines a time dependent sequence of operation during which fluid flows from said syringe at predetermined rates.
- 10. The automatic injection device of claim 9 further comprising a pressure sensor adapted to measure a fluid pressure associated with the fluid from said syringe, and wherein said controller is adapted to control the fluid flow in accordance with said fluid pressure.
- 11. The automatic injection device of claim 10 wherein said profile includes a fluid pressure limit and wherein said controller is adapted to limit said fluid rate in accordance with said fluid pressure limit.
- 12. The automatic injection device of claim 8 further comprising a needle shaped to be inserted in tissues and a tube coupling said syringe to said needle.

- 13. The automatic injection device of claim 12 wherein said needle is defined by a needle size, wherein said memory includes a plurality of needle sizes, and wherein said selector is arranged for the selection of the needle size from said memory.
- 14. The automatic injection device of claim 12 wherein said tube is defined by a tube size, wherein said memory includes a plurality of tube sizes and said selector is arranged for the selection of the tube size from said memory.
- 15. The automatic injection device of claim 12 wherein said syringe is defined by a syringe size and type, wherein said memory includes a plurality of syringe sizes and types and wherein selector is arranged for the selection of the syringe size and type.
- 16. A method of injecting a fluid into a patient using an automatic injection device having a fluid source, and a pump for selectively delivering fluid from said source to said patient, said device further including a memory with a profiles, to said patient comprising:

selecting a profile from said memory; and delivering fluid to the patient in accordance with said profile.

17. The method of claim 16 wherein said device includes a pressure sensor detecting a fluid pressure, further comprising:

measuring a current fluid pressure; and controlling fluid flow in accordance with said fluid pressure.

- 18. The method of claim 16 further comprising a delivery member adapted to deliver said fluid and including a syringe, a tube and a needle having respective syringe, tube and needle sizes, further comprising selecting said syringe, tube and needle size prior to the delivery of said fluid.
- 19. The method of claim 18 wherein said sizes are selected manually.
- 20. The method of claim 19 wherein at least one of said sizes is stored in the memory, and wherein said one size is selected from said memory.
- 21. The method of claim 18 wherein tube size includes one of a tube length and tube inner diameter.
- 22. The method of claim 18 wherein said needle size includes one of a needle length and a needle diameter.
- 23. The method of claim 18 wherein said syringe size includes one of syringe type and a syringe size.